

ABSTRACT

One greatest advantage of the three-dimensional memory (3D-M) is its integrability. In a electrically programmable three-dimensional integrated memory (EP-3DiM), an electrically programmable 3D-M (EP-3DM) is integrated with an embedded RWM and/or an embedded processor. Collectively, the EP-3DiM excels in speed, density/cost, programmability and data security.